Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No: First and Final Bill (For Other Works) Date……..20

Division: **Project** Sub-Division: **Project Sub Division**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated…….

Sub Divisional **Work Code: 002-20-000015**

Schedule Docket No. Head of Account: Est.Cost- **80.00 Lakhs**

Name of Work: **Balance Works to Samudhaya Bhavana in Ward No.02**

Name of Contractor and Full Address: **Sri. K.Gopireddy, #3, 1st Cross, 1st Main, Ramachandrappa Layout, Veeranna Palya, Arabic College Post, Bangalore-560045.**

Reference to Agreement No: **EE (Project)/Ynk Zone/WO/177/2019-20** Date: **09-03-2020**

Certified that the measurements were taken by me on 22-10-2020 and recorded of Pages A22410 to A40 of measurement Book No. 20/19-20 and that the work is satisfactorily executed.

G Gopireddy **Contractor** **Officer-in-charge of work**

Certified that the measurement were taken by me on 22-10-2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer **Sub-Division Officer**

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	8469800-00
2)	Deduct amount to be held in reserve being ……percent Rs……	85000-00
3)	" Balance	7523-00
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…… Amount adjusted towards cash advance recovery of	7523-00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	31200-00
		8500-00
5)	Balance being unpaid value of work done held in reserve.	85000-00
6)	Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	3609446-00
7)	Net amount due to or from Contractor unadjustments items.	8108854-00
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

G Gopireddy Contractor's Signature

Received Rs…….. (in words)……

……

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor G Gopireddy

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……

Stamp

Head of Account…… 3590

Audited & Admitted for Rs. 8469800

Passed for Rs. 8108854-00

Paid To K. Gopireddy

By Adjustment Rs. 3609446-00

Executive Engineer

Initials of Officer making payment

EE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : BALANCE WORKS TO SAMUDHAYA BHAVANA IN WARD NO.2

Agency	**Sri. K.Gopireddy, #3, 1st Main, Ramachandrappa layout, Veerana Palya, Arabic College Post, Bangalore-560045**

ABSTRACT

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and directions of the Engineer in charge.**(Quantity Upto 125%).**	Cum	80.70	0	509.12	0	80.70	509.12	41085.98	80.70	41085.98
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications and directions of the Engineer in charge. **(Quantity Upto 125%).**	Cum	0.25	0	2754.22	0	0.25	2754.22	688.56	0.25	688.56
	Quantity Above 125%	Cum	0.73				0.73	2754.22	1999.57	0.73	1999.57
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge. .(Quantity Upto 125%).	Cum	48.44	0	5785.12	0	48.44	5785.12	280216.75	48.44	280216.75
	Quantity Above 125%	Cum	3.45				3.45	5785.12	19973.17	3.45	19973.17

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
4	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge. .(Quantity Upto 125%).	Cum	6.91	0	6147.96	0	6.91	6147.96	42497.77	6.91	42497.77
	Quantity Above 125%	Cum	1.29				1.29	6147.96	7939.79	1.29	7939.79
5	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge. .(Quantity Upto 125%).	Cum	26.81	0	6041.38	0	26.81	6041.38	161984.50	26.81	161984.50
	Quantity Above 125%	Cum	6.60				6.60	6041.38	39902.08	6.60	39902.08
6	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.	Cum	49.22	0	5211.37	0	49.22	5211.37	256522.91	49.22	256522.91
7	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications and directions of the Engineer in charge. .(Quantity Upto 125%).	Cum	11.70	0	227.91	0	11.70	227.91	2666.55	11.70	2666.55
	Quantity Above 125%	Cum	8.50				8.50	227.91	1937.74	8.50	1937.74

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge. .(Quantity Upto 125%).	Sqm	3.00	0	292.54	0	3.00	292.54	877.62	3.00	877.62
	Quantity Above 125%	Sqm	3.24				3.24	292.54	947.84	3.24	947.84
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars,post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications and directions of the Engineer in charge.(Quantity Upto 125%).	Sqm	7.14	0	1035.24	0	7.14	1035.24	7389.03	7.14	7389.03
	Quantity Above 125%	Sqm	18.55				18.55	1035.24	19206.35	18.55	19206.35
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaiton and directions of the Engineer in charge. .(Quantity Upto 125%).	Sqm	8.25	0	354.91	0	8.25	354.91	2928.01	8.25	2928.01
	Quantity Above 125%	Sqm	10.77				10.77	453.56	4884.81	10.77	4884.81
11	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications and directions of the Engineer in charge .(Quantity Upto 125%)..	sqm	1.39	0	856.09	0	1.39	856.09	1187.82	1.39	1187.82
	Quantity Above 125%	sqm	1.91				1.91	856.09	1637.27	1.91	1637.27
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunches, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge. (Ground Floor)	sqm	3.70	0	331.10	0	3.70	331.10	1225.07	3.70	1225.07
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunches, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge. (Second Floor)	sqm	4.32	0	344.70	0	4.32	344.70	1489.10	4.32	1489.10

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
14	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge. .(Quantity Upto 125%)..	Cum	0.81	0	6590.18	0	0.81	6590.18	5354.52	0.81	5354.52
	Quantity Above 125%	Cum	1.88				1.88	6590.18	12373.06	1.88	12373.06
15	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge. (Ground Floor) .(Quantity Upto 125%).	cum	0.81	0	6854.38	0	0.81	6854.38	5569.18	0.81	5569.18
	Quantity Above 125%	cum	0.24				0.24	6854.38	1627.91	0.24	1627.91

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
16	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge. (Second Floor)	cum	0.88	0	6990.44	0	0.88	6990.44	6151.59	0.88	6151.59
17	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar,with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete for beams,staircase,and roof with M-25,complete as per specifications and directions of the Engineer in charge.	cum	2.38	0	6233.00	0	2.38	6233.00	14834.54	2.38	14834.54
18	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of the Engineer in charge. (Ground Floor) .(Quantity Upto 125%).	MT	0.39	0	80467.78	0	0.39	80467.78	31181.26	0.39	31181.26
	Quantity Above 125%	MT	0.34				0.34	73033.98	25000.49	0.34	25000.49

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
19	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of the Engineer in charge. (Second Floor) .(Quantity Upto 125%).	MT	0.29	0	82164.08	0	0.29	82164.08	23686.86	0.29	23686.86
20	Providing and constructing load bearing wall with precast solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and directions of the Engineer in charge. (Compound Wall)	sqm	112.74	0	1034.11	0	112.74	1034.11	116582.15	112.7	116582.15
21	Providing and constructing load bearing wall with precast solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and directions of the Engineer in charge. (Second Floorl)	sqm	33.47	0	1113.48	0	33.47	1113.48	37268.62	33.47	37268.62

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
22	Providing & Fixing of Mineral Fibre Suspended Ceiling System in the module size of 600x600x19mm with exposed grid. The tiles should have Humidity Resistance(RH) of 99%, Light Reflectance 87%, Thermal conductivity k=0.052-0.057w/m K,NRC-0.7, colour white, Fire Performance UK A2 S1, do with antimicrobial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with clean room clss of ISO 5(class 100), Decontamination class of CP10 and Bactoriological cleanlines class B1 for specific strains and reduction in colony size. Washability properties of 500 wash cycles as per ASTM D-4828 and suitable for Green Building application with Recycled content of 37%. The tile shall be laid on 24mm wide T-section flanges colour white having rotary stitching on all t sections i.e. the main runner, 1200mm & 600mm cross tees with web height f 38mm and a load carrying sections should have a galvanizing of 90grmas per sqm and need to be installed with suspension system of approved make,as per specifications and directions of the Engineer in charge.	sqm	263.16	0	2816.59	0	263.16	2816.59	741201.99	263.2	741201.99
23	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Compund Wall)	sqm	205.98	0	295.95	0	205.98	295.95	60959.04	206.0	60959.04
24	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Second Floor)	sqm	28.61	0	323.16	0	28.61	323.16	9245.74	28.6	9245.74
25	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Ground Floor)	sqm	8.75	0	231.31	0	8.75	231.31	2024.06	8.8	2024.06

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
26	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Second Floor)	sqm	0.00	0	244.92	0	0.00	244.92	0.00	0.0	0.00
27	Providing rough cement plastering 15mm thick(rough plastring) in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge..(Quantity Upto 125%).	sqm	27.11	0	246.05	0	27.11	246.05	6671.03	27.1	6671.03
	Quantity Above 125%	sqm	1.28				1.28	246.05	313.94	1.28	313.94
28	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Ground Floor)	sqm	6.24	0	266.46	0	6.24	266.46	1662.23	6.2	1662.23
29	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Second Floor) .(Quantity Upto 125%).	sqm	6.30	0	280.07	0	6.30	280.07	1764.44	6.3	1764.44
30	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification and directions of the Engineer in charge.	Sqm	21.29	0	88.44	0	21.29	88.44	1882.76	21.3	1882.76

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
31	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer and directions of the Engineer in charge. .(Quantity Upto 125%).	Sqm	74.63	0	102.05	0	74.63	102.05	7615.48	74.6	7615.48
	Quantity Above 125%	Sqm	1574.57				1574.57	102.05	160685.43	1574.57	160685.43
32	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer and directions of the Engineer in charge. (Ground Floor) .(Quantity Upto 125%).	Sqm	323.54	0	115.66	0	323.54	115.66	37420.35	323.5	37420.35
	Quantity Above 125%	Sqm	246.10				246.10	115.66	28463.18	246.10	28463.18
33	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer and directions of the Engineer in charge. (Second Floor) .(Quantity Upto 125%).	Sqm	47.44	0	124.73	0	47.44	124.73	5916.88	47.4	5916.88
	Quantity Above 125%	Sqm	171.32				171.32	124.73	21368.71	171.32	21368.71

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
34	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge. (Quantity Upto 125%).	sqm	6.30	0	720.02	0	6.30	720.02	4536.13	6.3	4536.13
	Quantity Above 125%	sqm	0.42				0.42	720.02	304.57	0.42	304.57
35	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification and directions of the Engineer in charge. (Ground Floor) (Quantity Upto 125%).	sqm	213.93	0	1396.95	0	213.93	1396.95	298846.72	213.9	298846.72
36	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge. (Second Floor) .(Quantity Upto 125%).	sqm	6.30	0	1376.54	0	6.30	1376.54	8672.20	6.3	8672.20
	Quantity Above 125%	sqm	0.42				0.42	1376.54	582.28	0.42	582.28
37	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	No	0.00	0	1548.90	0	0.00	1548.90	0.00	0.0	0.00

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
38	Providing Redsal wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of the Engineer in charge.	cum	0.00	0	68729.73	0	0.00	68729.73	0.00	0.0	0.00
39	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame all-round door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991. From manufacturer (Factory) complete as per specification and directions of the Engineer in charge. - 35mm thick both side commercial.	sqm	0.00	0	2551.26	0	0.00	2551.26	0.00	0.0	0.00
40	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame,complete as per specifications and directions of the Engineer in charge.	m	11.40	0	519.32	0	11.40	519.32	5920.25	11.4	5920.25

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
41	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain color White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot, complete as per specification and directions of the Engineer in charge.	sqm	3.15	0	4317.86	0	3.15	4317.86	13601.26	3.2	13601.26

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
42	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved	sqm	1.08	0	5028.81	0	1.08	5028.81	5431.11	1.1	5431.11
43	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved	sqm	0.90	0	5042.42	0	0.90	5042.42	4538.18	0.9	4538.18

Item no	Description of work	Unit	Approved BOQ Qnty	Previous			Present			Total Upto Date	
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
44	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of the Engineer in charge. (Quantity Upto 125%).	sqm	24.73	0	1855.05	0	24.73	1855.05	45867.97	24.7	45867.97
45	ISOPROOF SEALER Providing waterproof treatment to roof slab using 2 coats of acrylic co polymer elastomeric ISOPROOF sealer & protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc.,The surface shall be applied with basecoat of crystallization liquid and then ISOPROOF, wetting agent and liquid (1:1:6) over the prepared surface. In addition the surface shall be provided with polysulphide/ acrylic sealant to V groves, making haunch at junction of parapet and roof slab and at damaged portion using patching mortar to drain off rain water. Over this one coat of flexible cementatious membrane (FCM), Spreading 2 layers of 40 gsm non woven geotextile membrane as reinforcing material (over FCM) with one primer coat of ISOPROOF & applying second coat of ISOPROOF liquid over the primer coat - conforming to ASTM D 412 - 1992. The work shall be carried out as per the specifications and directions of the Engineer in charge. directions of the Engineer in charge..(Quantity Upto 125%).	sqm	14.55	0	1111.21	0	14.55	1111.21	16168.11	14.6	16168.11
	Quantity Above 125%	sqm	4.47				4.47	1111.21	4967.13	4.47	4967.13
46	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specificaitons and direction of the Engineer-in-charge.	sqm	0.00	0	405.93	0	0.00	405.93	0.00	0.0	0.00
47	Providing ornamental security grill.(Data Rate). (Compund Wall)	sqm	0.00	0	9600.29	0	0.00	9600.29	0.00	0.0	0.00